METHOD AND SYSTEM FOR RESOURCE ALLOCATION IN FPGA-BASED EMBEDDED PROCESSOR SYSTEM-ON-CHIP (SoC)

ABSTRACT

As system components which are used to customize an FPGA-based embedded processor SoC are selected and configured, the actual or estimated resources can be immediately provided. A GUI (350) can facilitate display of resources utilized by any or all selected system components, resources available for use by unselected system components and the customized device resources. Resource conflict and configuration checks can be used to identify and resolve system component problems and design and specification requirements. Notably, any associated resource problems can be immediately identified and rectified.